Utah Pre - Engineering

The Utah Pre-Engineering Program

The Utah Pre-Engineering plan is a flexible option for high schools. In this program students are expected to take four applied courses along with math (M), science (S), and language arts (LA) courses.

Applied Courses

- Foundations of Technology (FOT)
- A design course (DC) e.g.: CAD/Drafting or Introduction To Communications
- A materials processing course (MPC) e.g.: Machine Tool, Electronics, Introduction To Manufacturing
- Pre-Engineering (P-E)

The suggested sequence layout:

					M	S	LA
Freshman	FOT				EA	ES	LA9
Sophomore		DC			G	B	LA10
Junior			MPC		IA	P	LA11
Senior				P-E	PC	C	LA12

The Utah Pre-Engineering plan - Rural Utah Program

Rural schools have challenges and concerns that create a need for flexible Pre-Engineering programs. The Utah Program could also be taught in a rural Utah school through as few as two periods a day program.

The suggested sequence layout:

	FOT	DC	MPC		M	S	LA
Freshman					EA	ES	LA9
Sophomore					G	B	LA10
Junior					IA	P	LA11
Senior				P-E	PC	C	LA12
	These courses could be taught on a 3-year rotation. This would only involve one period.			This course would be taught every year.			
	Two period per year						

Suggested Utah Academic Courses

- Math (M) – Elementary Algebra (EA), Geometry (G), Intermediate Algebra (IA), Pre-calculus (PC)
- Science (S) – Earth Systems (ES), Biology (B), Chemistry (C), Physics (P)
- Language Arts (LA) – Language Arts 9 (LA9), Language Arts 10 (LA10), Language Arts 11 (LA11) Language Arts 12 (LA12)